

Beaufort County Base Labor Market Analysis



South Carolina
Department of
Commerce
Labor Market Information



November 2008

TABLE OF CONTENTS

EXECUTIVE SUMMARY	5
POPULATION	6
Growth.....	6
LABORSHED.....	7
Characteristics of Workers	7
INCOME	9
Per Capita Income	9
Wages by Industry	10
Wages by Occupation.....	11
EDUCATION	12
High School Graduates.....	12
Higher Education Graduates.....	13
OCCUPATIONS.....	15
Occupational Projections.....	15
Occupational Education Requirements.....	16
INDUSTRY	17
Businesses by Sector.....	17
Growth in Number of Businesses	18
Employment by Sector	19
Industry Analysis	20
MOVING FORWARD.....	21
Appendix A: Occupational Projections	
Appendix B: Businesses by 3-digit NAICS Codes	
Appendix C: Employment by Industry Sector	

EXECUTIVE SUMMARY

Population

Beaufort County's population growth has been faster than the state's in recent years.

Future growth is expected to continue to be faster than the state's.

Three fourths of Beaufort County's workers live within the county.

Income

Per capita income growth has been faster than in the state and nation.

Beaufort County's per capita income has remained above state and national levels from 1996 to 2006.

Beaufort County's average wages are higher than the state's for the community and social services; education, training and library; arts, design, entertainment, sports and media; healthcare practitioners and technical; healthcare support; protective service; food preparation and serving related; building and grounds cleaning and maintenance; personal care and service; office and administrative support; farming and forestry; and construction and extraction occupation groups.

Education

The number of degrees awarded by area post-secondary institutions has increased.

The greatest increase has been in the area of healthcare.

Occupations

The following occupational groups are expected to have faster growth in Beaufort County than in the state:

Management; business and financial operations; computer and mathematical science; architecture and engineering; legal; education, training and library; arts, design, entertainment, sports and media; healthcare support; and sales and related.

Requirements for Beaufort County's workers are expected to grow in the following levels of education and experience:

Work experience in a related field, postsecondary vocational award, associate's degree, bachelor's degree, and master's degree or higher.

Industry

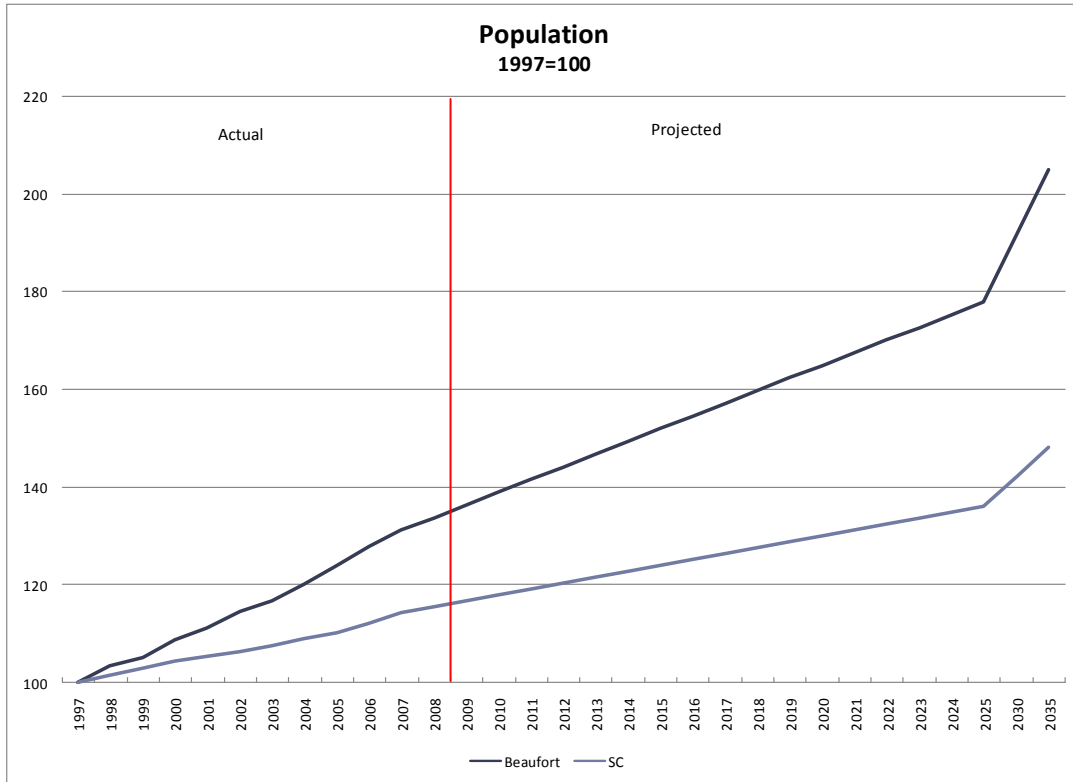
These sectors are rated as having potential in Beaufort County:

Real estate; merchant wholesalers, durable goods; management of companies and enterprises; ambulatory health care services; specialty trade contractors; and construction of buildings.

POPULATION

Growth

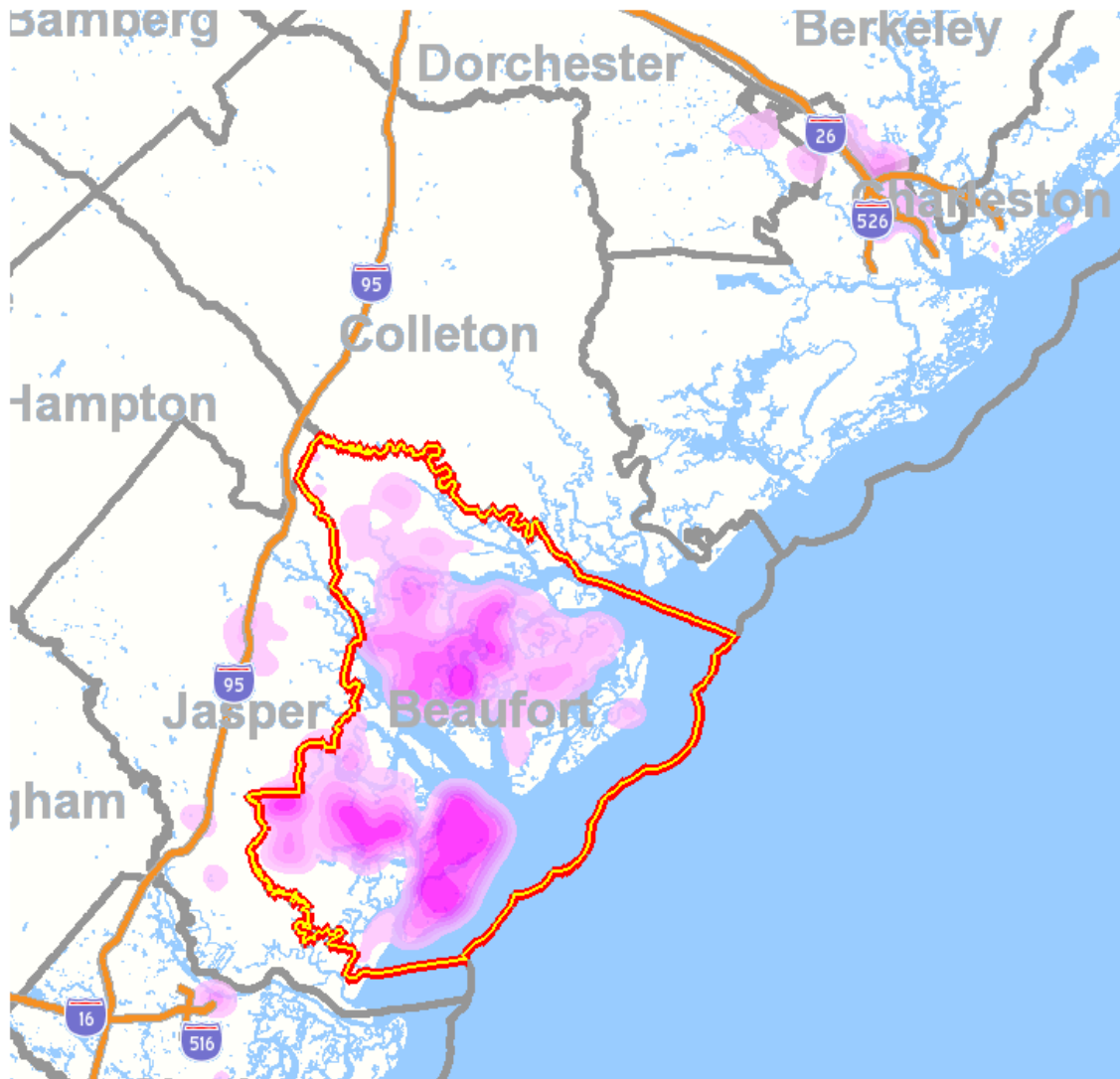
Beaufort County's 2007 population was 147,316. The county population has grown by 31.2% since 1997, compared to 14.2% growth for South Carolina. Beaufort's future population growth is expected to continue to be faster than the state's.



Source: U.S. Census Bureau (estimates) and SC Budget & Control Board/Office of Research and Statistics (projections).

LABORSHED

The map below shows where Beaufort County workers come from (in 2006, latest available data). Beaufort County draws over three fourths of its workers from within its borders.



Source: U.S. Census Bureau, Local Employment Dynamics.

Characteristics of Workers

Age of Workers:

30 or younger	28.9%
31 to 54	52.2%
55 or older	19.0%

Earnings of Workers:

\$1,200 per month or less	30.1%
\$1,201 to \$3,400 per month	45.0%
More than \$3,400 per month	24.9%

States Where Workers Live:

South Carolina	94.7%
Georgia	4.5%
All other locations	0.8%

Counties Where Workers Live:

Beaufort	76.9%
Charleston	3.2%
Jasper	2.7%
Chatham	2.6%
Lexington	2.0%
Dorchester	1.5%
Berkeley	1.3%
Colleton	1.1%
Spartanburg	0.9%
Williamsburg	0.8%
All Other Locations	7.0%

Cities Where Workers Live:

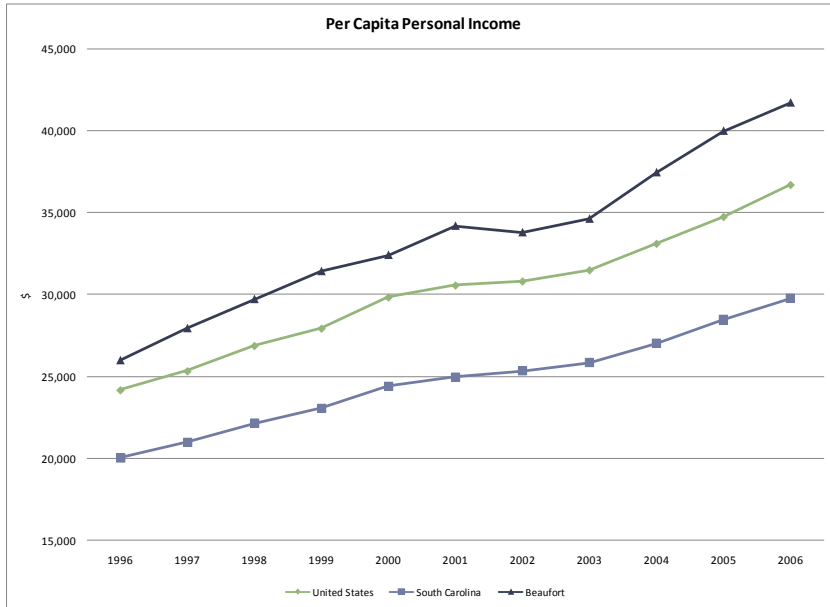
Hilton Head Island, South Carolina	25.8%
Beaufort, South Carolina	7.0%
Bluffton, South Carolina	3.5%
Port Royal, South Carolina	3.4%
Burton, South Carolina	2.9%
North Charleston, South Carolina	2.0%
Laurel Bay, South Carolina	1.7%
Savannah, Georgia	1.4%
Hanahan, South Carolina	1.1%
Shell Point, South Carolina	1.0%
All Other Locations	50.2%

Source: U.S. Census Bureau, Local Employment Dynamics.

INCOME

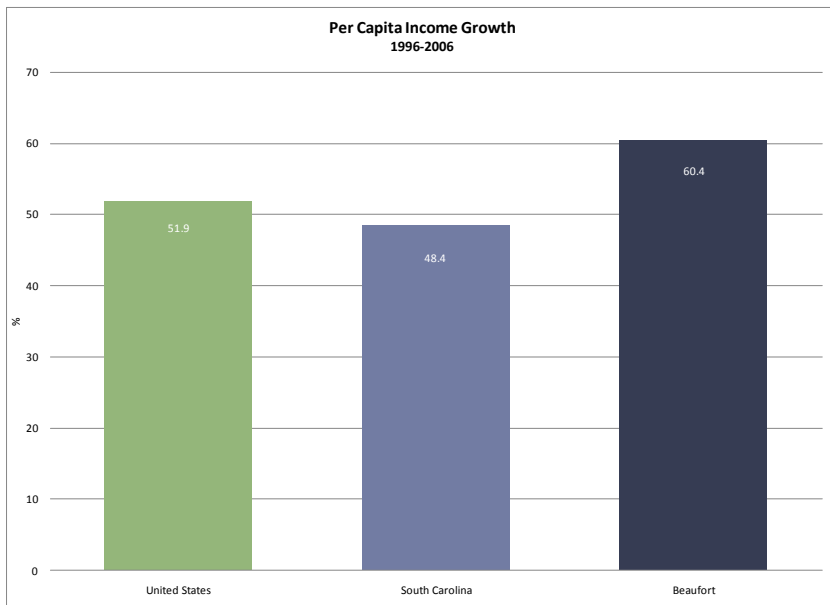
Per Capita Income

Beaufort County's per capita income has remained above state and national levels, the only county in South Carolina to do so.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Beaufort County's per capita income has grown faster than South Carolina's and the nation's, despite rapid population growth. Income growth was substantially above average.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Wages by Industry

Beaufort County's average wages are below those of South Carolina (\$622 vs. \$680 in 2007). Average wages were up 19% in Beaufort County over the past five years, compared to 18% for the state. All major sectors except arts, entertainment and recreation had growth.

Industry	NAICS Code	2007 Average Weekly Wage (\$)	2002 Average Weekly Wage (\$)	% Change
Total, Private and Government		622	524	19
Construction	23	759	616	23
Manufacturing	31-33	757	701	8
Retail Trade	44-45	481	418	15
Transportation and Warehousing	48-49	630	430	47
Information	51	1,074	855	26
Finance and Insurance	52	1,183	953	24
Real Estate and Rental and Leasing	53	747	559	34
Administration & Support & Waste Management & Remediation Services	56	478	390	23
Arts, Entertainment, and Recreation	71	414	419	-1
Accommodation and Food Services	72	350	305	15
Other Services (Except Public Administration)	81	524	464	13
Federal Government		818	659	24
State Government		677	625	8
Local Government		789	624	26

Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

Wages by Occupation

Average wages in Beaufort County are higher than the state average in the following occupational groups:

- Community and social services
- Education, training and library
- Arts, design, entertainment, sports and media
- Healthcare practitioners and technical
- Healthcare support
- Protective service
- Food preparation and serving related
- Building and grounds cleaning and maintenance
- Personal care and service
- Office and administrative support
- Farming and forestry
- Construction and extraction

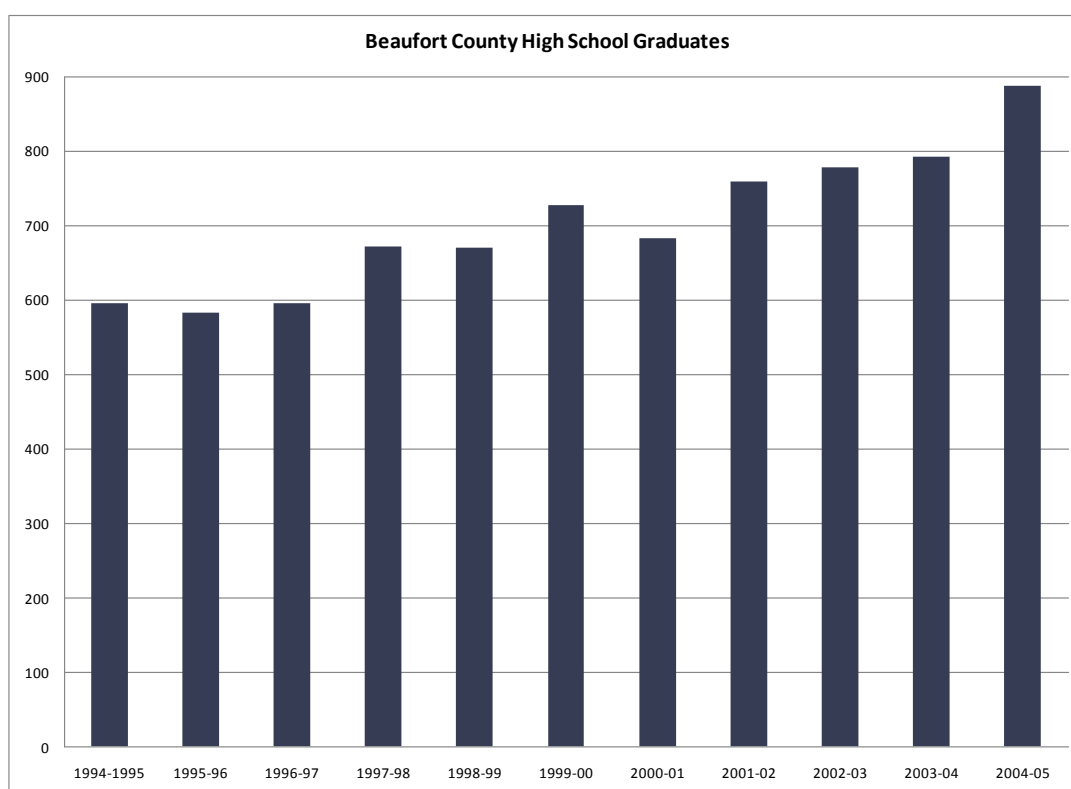
Occupation	2007 Beaufort County Median Hourly Wage (\$)	2007 SC Median Hourly Wage (\$)
Management occupations	25.22	28.78
Business and financial operations occupations	18.16	20.28
Computer and mathematical science occupations	23.77	26.20
Architecture and engineering occupations	24.49	30.22
Life, physical and social science occupations	22.65	22.76
Community and social services occupations	15.22	13.18
Legal occupations	22.46	30.68
Education, training and library occupations	25.50	24.42
Arts, design, entertainment, sports and media occupations	13.48	12.66
Healthcare practitioners and technical occupations	31.86	30.64
Healthcare support occupations	11.12	10.55
Protective service occupations	16.28	13.87
Food preparation and serving related occupations	8.74	7.90
Building and grounds cleaning and maintenance occupations	10.25	8.42
Personal care and service occupations	9.64	8.39
Sales and related occupations	12.16	13.48
Office and administrative support occupations	13.27	13.22
Farming, fishing, and forestry occupations	13.71	13.07
Construction and extraction occupations	16.76	16.51
Installation, maintenance and repair occupations	15.99	16.88
Production occupations	13.20	15.21
Transportation and material moving occupations	11.46	12.94

Source: Economic Modeling Specialists, Inc.

EDUCATION

High School Graduates

From 1995 to 2005 (latest data available), the number of Beaufort County students receiving high school diplomas rose by 293 (49%). In South Carolina, on the other hand, the number of high school diplomas increased 9% from 1995 to 2005. A total of 888 people received high school diplomas in Beaufort County in 2005. Beaufort County had 343 more 12th grade students in 2004-05 than in 1994-95. Also, the number of Beaufort County students not passing the exit exam who received a certificate of completion instead of a diploma was up by 51 (to 87) over the 1995-2005 period.



Source: National Center for Education Statistics.

Higher Education Graduates

Over 4,200 more students graduated from higher educational institutions in the Lowcountry area in 2006 than in 1996, an increase of 50%. The greatest numerical increase was in the healthcare field.

Program	1996	2006	Change	% Change
Agriculture, agriculture operations, and related sciences	36	31	-5	-14
Architecture and related services	42	148	106	252
Area, ethnic, cultural, and gender studies	-	8	8	
Biological and biomedical sciences	343	435	92	27
Business, management, marketing, and related support services	1,161	1,618	457	39
Communication, journalism, and related programs	153	402	249	163
Communications technologies/technicians and support services	16	270	254	1,588
Computer and information sciences and support services	184	398	214	116
Construction trades	10	34	24	240
Education	1,036	1,043	7	1
Engineering technologies/technicians	214	262	48	22
Engineering	72	67	-5	-7
English language and literature/letters	175	207	32	18
Family and consumer sciences/human sciences	163	230	67	41
Foreign languages, literatures, and linguistics	50	108	58	116
Health professions and related clinical sciences	1,705	2,637	932	55
Legal professions and studies	100	92	-8	-8
Liberal arts and sciences, general studies and humanities	505	734	229	45
Mathematics and statistics	83	63	-20	-24
Mechanic and repair technologies/technicians	178	403	225	126
Multi/interdisciplinary studies	38	118	80	211
Natural resources and conservation	8	19	11	138
Parks, recreation, leisure, and fitness studies	7	36	29	414
Personal and culinary services	107	206	99	93
Philosophy and religious studies	23	58	35	152
Physical sciences	102	120	18	18
Precision production	137	85	-52	-38
Psychology	270	334	64	24
Public administration and social service professions	139	165	26	19
Science technologies/technicians	3	-	-3	-100
Security and protective services	283	477	194	69
Social sciences and history	532	602	70	13
Theology and religious vocations	7	37	30	429
Transportation and materials moving	159	114	-45	-28
Visual and performing arts	500	1,239	739	148
TOTAL	8,541	12,800	4,259	50

Source: National Center for Education Statistics (Integrated Post Secondary Education System).

Data for these schools: Armstrong Atlantic State University (GA), Beta Tech, Charleston Southern University, Citadel, Claxton University, College of Charleston, Denmark Technical College, Medical University of South Carolina, Miller-Motte Technical College, Orangeburg Calhoun Technical College, Savannah College of Art and Design (GA), Savannah State University (GA), Savannah Technical College (GA), South Carolina State University, South University-Savannah (GA), Southern Methodist College, Technical College of the Lowcountry, Trident Technical College, University of Phoenix-Savannah Campus (GA), University of South Carolina-Beaufort, University of South Carolina-Salkehatchie, Voorhees College.

OCCUPATIONS

Occupational Projections

The following occupational groups are projected to grow faster in Beaufort County than in the state:

- Management
- Business and financial operations
- Computer and mathematical science
- Architecture and engineering
- Legal
- Education, training and library
- Arts, design, entertainment, sports and media
- Healthcare support
- Sales and related

See **Appendix A** for detailed occupational information.

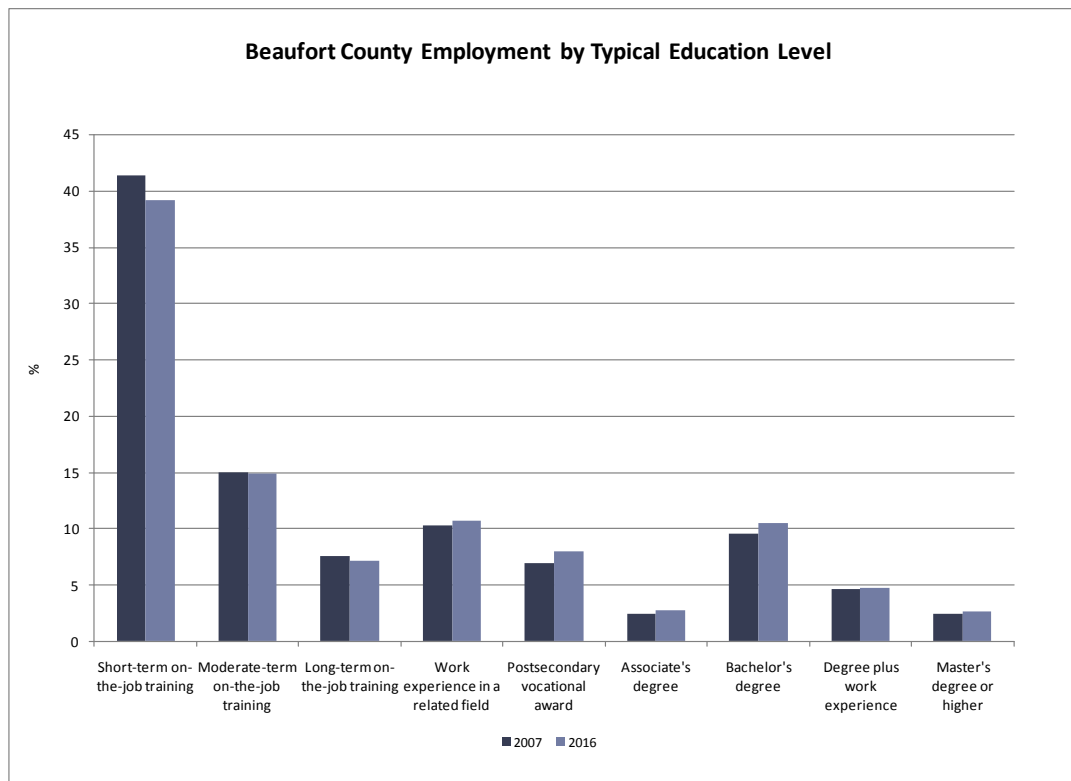
Occupation	2007-2016 Beaufort County Projected Growth (%)	2007-2016 SC Projected Growth (%)
Management occupations	21	17
Business and financial operations occupations	25	22
Computer and mathematical science occupations	35	23
Architecture and engineering occupations	26	15
Life, physical and social science occupations	15	15
Community and social services occupations	15	15
Legal occupations	26	21
Education, training and library occupations	17	16
Arts, design, entertainment, sports and media occupations	29	17
Healthcare practitioners and technical occupations	23	24
Healthcare support occupations	38	25
Protective service occupations	8	18
Food preparation and serving related occupations	6	13
Building and grounds cleaning and maintenance occupations	10	23
Personal care and service occupations	7	7
Sales and related occupations	24	19
Office and administrative support occupations	11	13
Farming, fishing and forestry occupations	13	16
Construction and extraction occupations	-1	19
Installation, maintenance and repair occupations	12	17
Production occupations	8	10
Transportation and material moving occupations	9	11

Source: *Economic Modeling Specialists, Inc.*

Occupational Education Requirements

The trend for occupational growth shows that there will be growth in jobs across skill levels. Based on employment projections, Beaufort County is expected to see growth in requirements for the following specific levels of education and experience:

- Work experience in a related field
- Postsecondary vocational award
- Associate's degree
- Bachelor's degree
- Master's degree or higher



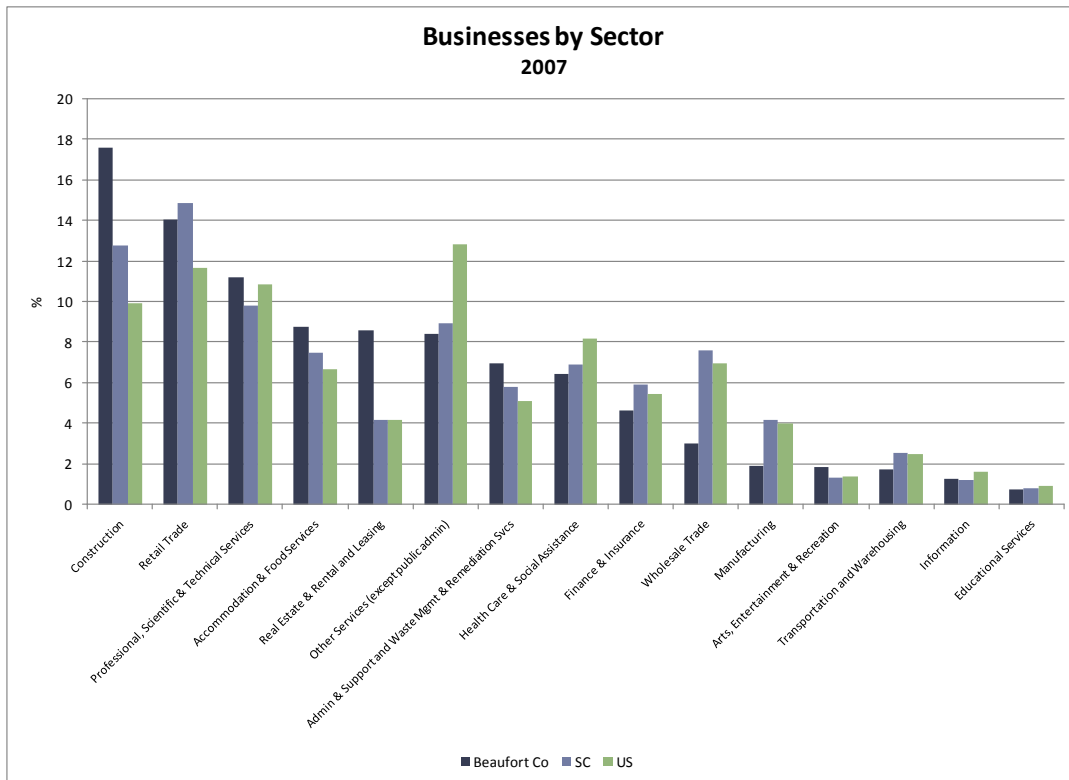
Source: Economic Modeling Specialists, Inc

INDUSTRY

Businesses by Sector

Beaufort County had higher percentages of businesses than South Carolina or the nation in the following sectors:

- Construction
- Professional, scientific and technical services
- Accommodation and food services
- Real estate and rental and leasing
- Administration and support and waste management and remediation services
- Arts, entertainment and recreation



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Growth in Number of Businesses

The number of private businesses in Beaufort County rose by 2% from 2002 to 2007, compared to a 2% drop for the state. For industry definitions, this analysis uses the North American Industry Classification System (NAICS), the U.S. standard for industry classification.

At the three-digit NAICS code level, Beaufort County had higher growth in 15 industries compared to South Carolina and the U.S. Below is a list of those 15 industries along with their respective growth rates.

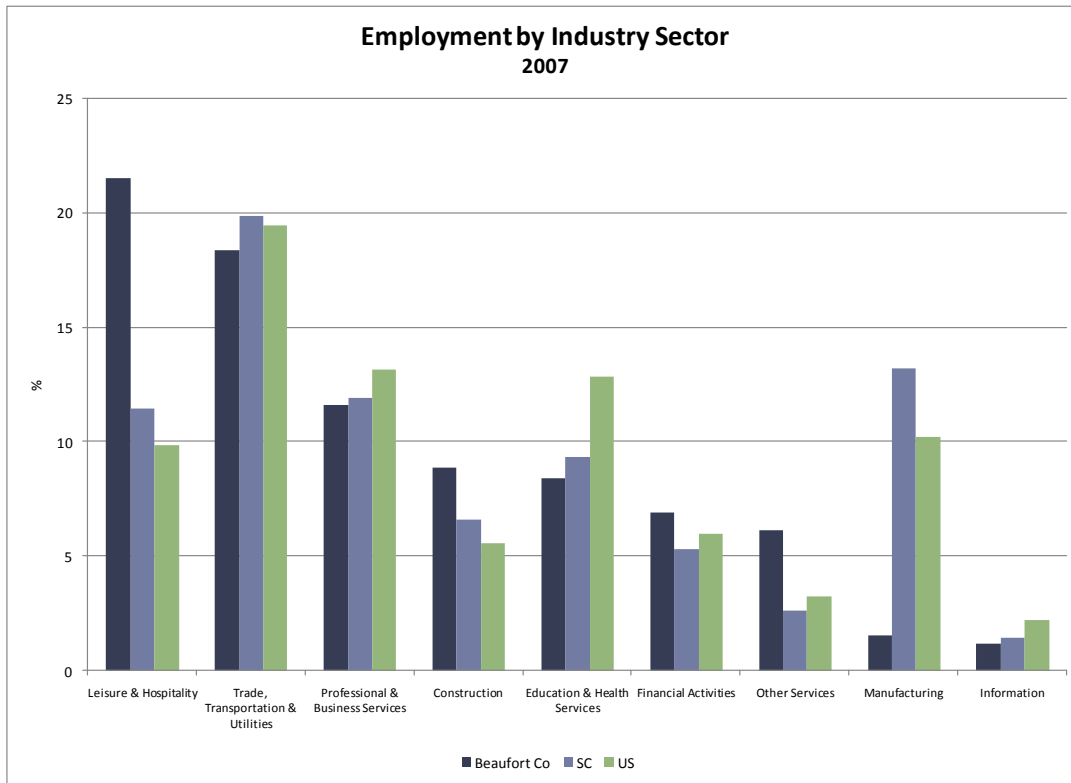
See **Appendix B** for information on all industries.

Industry	2002-2007 Growth (%)		
	Beaufort Co.	SC	US
Nonmetallic mineral product manufacturing	75.0	4.0	3.0
Miscellaneous manufacturing	30.0	9.5	-0.9
Merchant wholesalers, durable goods	18.9	0.6	-5.6
Gasoline stations	12.0	-2.8	-1.9
Sporting goods, hobby, book and music stores	9.1	-11.1	-6.5
Nonstore retailers	33.3	-17.9	11.9
Truck transportation	9.5	-5.1	5.4
Support activities for transportation	14.3	-6.0	7.6
Motion picture and sound recording industries	9.1	-9.6	-2.1
Real estate	24.1	18.8	23.8
Management of companies and enterprises	83.3	74.2	29.1
Waste management and remediation services	60.0	3.9	15.6
Nursing and residential care facilities	81.8	0.4	8.8
Accommodation	16.7	-3.4	3.5
Repair and maintenance	6.7	-18.3	-0.4

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment by Sector

Beaufort County has a larger than average share of its jobs in leisure and hospitality, construction, financial activities, and other services.



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Analysis

Screening Criteria

Industry sectors were rated on six factors:

- | | |
|------------------------------------|---------------------------------|
| • 2002-2007 employment growth | Competitive effect ¹ |
| • 2002-2007 employment growth rate | Average annual wage |
| • Location quotient ² | Projected growth |

Using those factors, sectors were awarded “stars” based on meeting the following criteria:

- 2002-2007 employment growth of 75 or more (Did the sector add a significant number of jobs?)
- 2002-2007 employment growth rate greater than 14% (overall county job growth over the period) (Did the sector add jobs at an above-average rate?)
- Location quotient of at least 1.25 (Does the sector have a significant concentration in the county?)
- Competitive effect greater than 0 (Did the sector add jobs beyond national growth overall and in the sector?)
- Average annual wage greater than \$32,350 (2007 average for the county) (Does the sector pay wages greater than average for the county?)
- Average or above average projected growth (Is the sector expected to add jobs?)

Industries of Note

Based on these criteria, the following are “six star” sectors in Beaufort County:

- Motor vehicle and parts dealers
- Building material and garden equipment and supplies dealers
- Real estate

Industry sectors that generate wealth from outside the area are referred to as the region’s base economy. Base economy sectors are important to an area’s economic well-being. Real estate fits the base economy criteria for Beaufort County to the extent it involves people moving in from outside the area.

“Five star” sectors for Beaufort County (all with location quotients below 1.25) are:

- Merchant wholesalers, durable goods
- Management of companies and enterprises
- Ambulatory health care services

Wholesaling and company management fit the base economy criteria. Healthcare may fit the criteria to the extent Beaufort County serves as a regional healthcare provider.

Other sectors which fit this base economy criteria, have above-average wages, have a relatively high concentration in the area (as indicated by the location quotient), and are projected to grow are specialty trade contractors and construction of buildings.

Appendix C has information on all factors for all sectors for Beaufort County.

¹ *Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.*

² *Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county compared to the US; based on 2007 data.*

MOVING FORWARD

The South Carolina Department of Commerce appreciates the opportunity to provide this base analysis of Beaufort County's labor market. We hope that it will help in advancing the progress of Beaufort County's economic development.

What's been done so far?

This analysis identifies the region's assets—both current and future—at a macro level. Labor Market Information (LMI) at the S.C. Department of Commerce developed a Base Labor Analysis report providing an overview of the region's population, industries, occupations, and educational assets. Additionally, these findings were benchmarked against the state and the nation.

What's next?

Because local knowledge is required to interpret and apply the findings appropriately, the Beaufort Base Labor Analysis should be used with local stakeholders to identify and define key, targeted industry clusters. Some items to consider when defining these clusters may include the following.

1. *What is Beaufort's economic base?*

In order for an economy to grow, it must have a base (export) sector that generates wealth from beyond its borders. Industries in the economic base (manufacturing, scientific and technology services, warehouse and distribution, financial services, regional healthcare, etc.) typically provide occupations with higher pay and benefits as well as better human capital development and promotion opportunities. A successful economic base stimulates the development of the non-base sector (housing, schools, retail, restaurants, personal services, etc.). It also propels the local tax base which, in turn, provides support to community services.

2. *What are strategies to assist low-wage citizens in non-base economy jobs?*

Although the economic base is the driver for long-term growth in a region, implementable strategies for developing job opportunities for low-skilled individuals is a priority for community economic well-being. This need must also be kept in mind when defining target industry clusters.

3. *What other factors are vital to Beaufort and its community?*

Over and above pure economic considerations, what is important to the citizens of the Beaufort community? How does Beaufort want to be perceived? What quality of life issues affect Beaufort? These questions may impact the types of industries desired for the area.

How Labor Market Information at the S.C. Department of Commerce can help.

Once local stakeholders have identified key industry clusters vital to the future economic development of the region, LMI can provide more in-depth analysis of each of these industries, their occupations, business establishments, and educational requirements.

1. Detailed Industry Analysis

For each identified industry, LMI can develop a detailed analysis of each sector, including employment, projected growth, staffing patterns, location quotients, and employers. Additionally, the analysis will examine the largest, fastest growing, and declining sectors within the industry cluster.

2. Detailed Occupational Analysis

At this point, the occupations—classified by SOC codes—that make up each of the identified industry clusters can be analyzed in detail. This analysis will include employment, average earnings, educational requirements, projected growth, and completers from available local training programs. It will culminate in identifying gaps between the number of occupations required to sustain and advance industry growth and the number of skilled workers (as identified by educational requirements and program completers) available to fulfill these positions.

3. Identification of Implementable Recommendations

LMI will utilize the findings of the analyses to develop a set of implementable recommendations. These may include recommendations to align community college programs with economic development goals along with others. Finally, local knowledge will once again be called upon to review the findings and develop an action plan for the implementation of feasible solutions.

Appendix A: Occupational Projections for Beaufort County

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-2011	Advertising and promotions managers	27	33	6	22	0.94	28.84	Degree plus work experience
11-2021	Marketing managers	65	82	17	26	0.57	28.74	Degree plus work experience
11-2022	Sales managers	248	294	46	19	1.27	43.35	Degree plus work experience
11-2031	Public relations managers	27	33	6	22	0.90	29.69	Degree plus work experience
11-3011	Administrative services managers	190	214	24	13	1.42	28.12	Degree plus work experience
11-3021	Computer and information systems managers	38	50	12	32	0.25	34.69	Degree plus work experience
11-3031	Financial managers	278	336	58	21	0.76	27.94	Degree plus work experience
11-3041	Compensation and benefits managers	18	22	4	22	0.72	34.42	Degree plus work experience
11-3042	Training and development managers	26	30	4	15	1.41	34.97	Degree plus work experience
11-3049	Human resources managers, all other	22	25	3	14	0.63	40.05	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-3051	Industrial production managers	10	10	0	0	--	--	Work experience in a related field
11-3061	Purchasing managers	16	17	1	6	0.46	39.56	Degree plus work experience
11-3071	Transportation, storage, and distribution managers	24	31	7	29	0.43	28.49	Work experience in a related field
11-9011	Farm, ranch, and other agricultural managers	28	28	0	0	0.10	20.26	Degree plus work experience
11-9012	Farmers and ranchers	94	93	-1	-1	0.10	6.55	Long-term on-the-job training
11-9021	Construction managers	389	409	20	5	0.97	22.03	Bachelor's degree
11-9031	Education administrators, preschool and child care center/program	53	63	10	19	0.73	14.39	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	48	58	10	21	0.30	37.55	Degree plus work experience
11-9033	Education administrators, postsecondary	32	43	11	34	0.32	25.90	Degree plus work experience
11-9039	Education administrators, all other	34	41	7	21	0.62	23.45	Degree plus work experience
11-9041	Engineering managers	76	96	20	26	0.76	35.31	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9051	Food service managers	287	327	40	14	1.19	15.99	Work experience in a related field
11-9061	Funeral directors	11	12	1	9	0.66	31.92	Associate's degree
11-9081	Lodging managers	125	148	23	18	1.59	32.60	Work experience in a related field
11-9111	Medical and health services managers	124	148	24	19	0.75	39.59	Degree plus work experience
11-9131	Postmasters and mail superintendents	17	16	-1	-6	1.26	30.77	Work experience in a related field
11-9141	Property, real estate, and community association managers	990	1476	486	49	1.58	11.99	Bachelor's degree
11-9151	Social and community service managers	68	76	8	12	0.85	17.80	Bachelor's degree
11-9199	Managers, all other	567	706	139	25	0.65	14.13	Work experience in a related field
11-1011	Chief executives	596	724	128	21	1.00	31.92	Degree plus work experience
11-1021	General and operations managers	1075	1128	53	5	1.12	35.40	Degree plus work experience
11-1031	Legislators	40	44	4	10	1.23	10.05	Degree plus work experience
13-1011	Agents and business managers of artists, performers, and athletes	13	17	4	31	0.58	6.74	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1022	Wholesale and retail buyers, except farm products	53	59	6	11	0.60	29.59	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	93	92	-1	-1	0.59	20.46	Work experience in a related field
13-1031	Claims adjusters, examiners, and investigators	30	31	1	3	0.18	28.68	Long-term on-the-job training
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	61	58	-3	-5	0.48	14.56	Long-term on-the-job training
13-1051	Cost estimators	94	102	8	9	0.73	22.70	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	34	43	9	26	0.31	17.86	Bachelor's degree
13-1072	Compensation, benefits, and job analysis specialists	16	20	4	25	0.25	21.00	Bachelor's degree
13-1073	Training and development specialists	48	58	10	21	0.41	18.93	Bachelor's degree
13-1079	Human resources, training, and labor relations specialists, all other	44	52	8	18	0.35	21.63	Bachelor's degree
13-1081	Logisticians	15	16	1	7	0.30	24.65	Bachelor's degree
13-1111	Management analysts	460	535	75	16	0.87	23.66	Degree plus work experience
13-1121	Meeting and convention planners	84	95	11	13	1.70	17.14	Bachelor's degree
13-1199	Business operation specialists, all other	128	151	23	18	0.23	23.98	Bachelor's degree
13-2011	Accountants and auditors	624	785	161	26	0.74	18.15	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-2021	Appraisers and assessors of real estate	372	553	181	49	1.63	14.08	Postsecondary vocational award
13-2041	Credit analysts	16	16	0	0	0.42	21.90	Bachelor's degree
13-2051	Financial analysts	75	114	39	52	0.38	9.63	Bachelor's degree
13-2052	Personal financial advisors	368	552	184	50	0.95	12.66	Bachelor's degree
13-2053	Insurance underwriters	11	12	1	9	0.19	27.25	Bachelor's degree
13-2071	Loan counselors	17	17	0	0	0.59	19.55	Bachelor's degree
13-2072	Loan officers	108	113	5	5	0.53	28.79	Bachelor's degree
13-2081	Tax examiners, collectors, and revenue agents	31	30	-1	-3	0.88	15.06	Bachelor's degree
13-2082	Tax preparers	188	234	46	24	2.97	8.01	Moderate-term on-the-job training
13-2099	Financial specialists, all other	57	57	0	0	0.65	19.74	Bachelor's degree
15-1011	Computer and information scientists, research	14	20	6	43	0.38	24.24	Doctoral degree
15-1021	Computer programmers	86	102	16	19	0.33	24.09	Bachelor's degree
15-1031	Computer software engineers, applications	22	34	12	55	0.07	26.87	Bachelor's degree
15-1032	Computer software engineers, systems software	23	33	10	43	0.11	25.99	Bachelor's degree
15-1041	Computer support specialists	108	136	28	26	0.35	19.58	Associate's degree
15-1051	Computer systems analysts	38	56	18	47	0.14	26.72	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
15-1061	Database administrators	18	24	6	33	0.26	23.04	Bachelor's degree
15-1071	Network and computer systems administrators	51	70	19	37	0.29	22.83	Bachelor's degree
15-1081	Network systems and data communications analysts	104	156	52	50	0.65	23.58	Bachelor's degree
15-1099	Computer specialists, all other	40	54	14	35	0.33	29.54	Associate's degree
15-2031	Operations research analysts	16	19	3	19	0.47	26.63	Master's degree
17-1011	Architects, except landscape and naval	43	53	10	23	0.52	24.29	Bachelor's degree
17-1012	Landscape architects	89	94	5	6	2.36	23.20	Bachelor's degree
17-1022	Surveyors	64	92	28	44	1.94	17.91	Bachelor's degree
17-2051	Civil engineers	131	170	39	30	0.83	36.67	Bachelor's degree
17-2061	Computer hardware engineers	14	18	4	29	0.31	15.35	Bachelor's degree
17-2071	Electrical engineers	25	32	7	28	0.30	34.04	Bachelor's degree
17-2072	Electronics engineers, except computer	25	28	3	12	0.34	26.57	Bachelor's degree
17-2081	Environmental engineers	14	20	6	43	0.50	28.39	Bachelor's degree
17-2111	Health and safety engineers, except mining safety engineers and inspectors	14	16	2	14	0.95	31.73	Bachelor's degree
17-2112	Industrial engineers	22	32	10	45	0.21	35.16	Bachelor's degree
17-2141	Mechanical engineers	28	36	8	29	0.23	24.36	Bachelor's degree
17-2161	Nuclear engineers	17	17	0	0	1.09	27.76	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
17-2199	Engineers, all other	32	35	3	9	0.33	21.53	Bachelor's degree
17-3011	Architectural and civil drafters	27	33	6	22	0.42	16.11	Postsecondary vocational award
17-3012	Electrical and electronics drafters	13	16	3	23	0.63	22.16	Postsecondary vocational award
17-3013	Mechanical drafters	25	33	8	32	0.61	25.10	Postsecondary vocational award
17-3022	Civil engineering technicians	13	17	4	31	0.27	17.90	Associate's degree
17-3023	Electrical and electronic engineering technicians	19	22	3	16	0.22	19.48	Associate's degree
17-3025	Environmental engineering technicians	10	16	6	60	0.82	19.71	Associate's degree
17-3026	Industrial engineering technicians	12	14	2	17	0.30	21.71	Associate's degree
17-3027	Mechanical engineering technicians	18	26	8	44	0.72	20.91	Associate's degree
17-3029	Engineering technicians, except drafters, all other	11	11	0	0	0.27	20.22	Associate's degree
17-3031	Surveying and mapping technicians	108	151	43	40	2.38	15.88	Moderate-term on-the-job training
19-2041	Environmental scientists and specialists, including health	12	16	4	33	0.25	26.56	Master's degree
19-2042	Geoscientists, except hydrologists and geographers	19	26	7	37	0.76	23.65	Master's degree
19-3021	Market research analysts	57	72	15	26	0.40	20.59	Bachelor's degree
19-3022	Survey researchers	26	30	4	15	0.74	17.68	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
19-3031	Clinical, counseling, and school psychologists	40	45	5	13	0.43	23.70	Doctoral degree
19-3032	Industrial-organizational psychologists	23	27	4	17	0.56	20.16	Master's degree
19-3039	Psychologists, all other	24	27	3	13	0.52	21.05	Master's degree
19-3051	Urban and regional planners	17	20	3	18	0.89	26.64	Master's degree
19-3099	Social scientists and related workers, all other	28	26	-2	-7	1.60	25.78	Master's degree
19-4031	Chemical technicians	10	11	1	10	0.30	19.57	Associate's degree
19-4051	Nuclear technicians	10	10	0	0	--	--	Associate's degree
19-4091	Environmental science and protection technicians, including health	23	34	11	48	1.20	25.07	Associate's degree
19-4093	Forest and conservation technicians	28	25	-3	-11	1.90	13.19	Associate's degree
21-1011	Substance abuse and behavioral disorder counselors	13	15	2	15	0.26	17.86	Master's degree
21-1012	Educational, vocational, and school counselors	111	129	18	16	0.78	23.17	Master's degree
21-1014	Mental health counselors	11	12	1	9	0.17	14.84	Master's degree
21-1015	Rehabilitation counselors	34	41	7	21	0.44	14.23	Master's degree
21-1021	Child, family, and school social workers	150	168	18	12	0.95	14.95	Bachelor's degree
21-1022	Medical and public health social workers	29	36	7	24	0.41	20.18	Bachelor's degree
21-1023	Mental health and substance abuse social workers	16	18	2	13	0.22	10.65	Master's degree
21-1029	Social workers, all other	33	36	3	9	0.79	20.61	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
21-1091	Health educators	12	14	2	17	0.34	20.35	Master's degree
21-1092	Probation officers and correctional treatment specialists	19	23	4	21	0.39	21.03	Bachelor's degree
21-1093	Social and human service assistants	43	51	8	19	0.23	11.66	Moderate-term on-the-job training
21-1099	Community and social service specialists, all other	15	17	2	13	0.22	13.75	Bachelor's degree
21-2011	Clergy	101	118	17	17	0.70	9.10	Master's degree
21-2021	Directors, religious activities and education	46	54	8	17	0.71	9.11	Bachelor's degree
21-2099	Religious workers, all other	21	25	4	19	0.69	8.31	Bachelor's degree
23-1011	Lawyers	348	420	72	21	0.75	28.83	First professional degree
23-1023	Judges, magistrate judges, and magistrates	28	32	4	14	1.87	21.84	Degree plus work experience
23-2011	Paralegals and legal assistants	210	297	87	41	1.56	16.64	Associate's degree
23-2091	Court reporters	27	33	6	22	1.39	18.31	Postsecondary vocational award
23-2092	Law clerks	23	28	5	22	0.88	13.29	Bachelor's degree
23-2093	Title examiners, abstractors, and searchers	58	69	11	19	1.38	13.79	Moderate-term on-the-job training
23-2099	Legal support workers, all other	19	22	3	16	0.69	14.44	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-1099	Postsecondary teachers	175	242	67	38	0.20	50.05	Doctoral degree
25-2011	Preschool teachers, except special education	170	192	22	13	0.60	13.44	Postsecondary vocational award
25-2012	Kindergarten teachers, except special education	135	162	27	20	1.32	31.28	Bachelor's degree
25-2021	Elementary school teachers, except special education	676	798	122	18	0.77	28.88	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	352	408	56	16	0.94	28.44	Bachelor's degree
25-2023	Vocational education teachers, middle school	10	11	1	10	0.41	13.05	Degree plus work experience
25-2031	Secondary school teachers, except special and vocational education	450	498	48	11	0.77	28.59	Bachelor's degree
25-2032	Vocational education teachers, secondary school	73	74	1	1	1.23	33.68	Degree plus work experience
25-2041	Special education teachers, preschool, kindergarten, and elementary school	96	118	22	23	0.78	29.27	Bachelor's degree
25-2042	Special education teachers, middle school	26	31	5	19	0.45	32.14	Bachelor's degree
25-2043	Special education teachers, secondary school	38	43	5	13	0.49	35.25	Bachelor's degree
25-3011	Adult literacy, remedial education, and GED teachers and instructors	43	54	11	26	0.54	10.36	Bachelor's degree
25-3021	Self-enrichment education teachers	60	74	14	23	0.40	10.52	Work experience in a related field
25-3099	Teachers and instructors, all other	95	112	17	18	0.28	25.66	Bachelor's degree
25-4021	Librarians	64	71	7	11	0.75	24.86	Master's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-4031	Library technicians	57	66	9	16	0.90	11.07	Postsecondary vocational award
25-9031	Instructional coordinators	52	64	12	23	0.69	26.13	Master's degree
25-9041	Teacher assistants	435	489	54	12	0.58	11.12	Short-term on-the-job training
25-9099	Education, training, and library workers, all other	24	27	3	13	0.37	11.21	Bachelor's degree
27-1011	Art directors	69	95	26	38	0.97	13.78	Degree plus work experience
27-1012	Craft artists	42	54	12	29	0.77	6.66	Long-term on-the-job training
27-1013	Fine artists, including painters, sculptors, and illustrators	44	57	13	30	0.76	7.88	Long-term on-the-job training
27-1014	Multi-media artists and animators	53	74	21	40	0.77	10.24	Bachelor's degree
27-1019	Artists and related workers, all other	51	62	11	22	0.90	8.26	Long-term on-the-job training
27-1021	Commercial and industrial designers	30	40	10	33	0.73	15.16	Bachelor's degree
27-1022	Fashion designers	23	29	6	26	0.73	15.00	Associate's degree
27-1023	Floral designers	79	79	0	0	1.48	15.01	Moderate-term on-the-job training
27-1024	Graphic designers	136	188	52	38	0.99	15.93	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-1025	Interior designers	47	63	16	34	0.91	19.17	Associate's degree
27-1026	Merchandise displayers and window trimmers	49	63	14	29	0.83	15.94	Moderate-term on-the-job training
27-1027	Set and exhibit designers	24	31	7	29	0.87	13.84	Bachelor's degree
27-1029	Designers, all other	24	30	6	25	0.81	14.27	Bachelor's degree
27-2011	Actors	22	29	7	32	0.44	6.80	Long-term on-the-job training
27-2012	Producers and directors	26	36	10	38	0.38	10.32	Degree plus work experience
27-2021	Athletes and sports competitors	21	27	6	29	0.93	11.14	Long-term on-the-job training
27-2022	Coaches and scouts	176	202	26	15	1.64	18.83	Long-term on-the-job training
27-2023	Umpires, referees, and other sports officials	19	23	4	21	0.81	8.08	Long-term on-the-job training
27-2032	Choreographers	15	17	2	13	1.17	18.55	Work experience in a related field
27-2041	Music directors and composers	70	89	19	27	0.75	6.62	Degree plus work experience
27-2042	Musicians and singers	139	228	89	64	1.05	8.53	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-2099	Entertainers and performers, sports and related workers, all other	37	48	11	30	0.68	7.57	Long-term on-the-job training
27-3011	Radio and television announcers	16	19	3	19	0.57	13.30	Long-term on-the-job training
27-3031	Public relations specialists	98	118	20	20	0.66	18.49	Bachelor's degree
27-3041	Editors	81	96	15	19	0.97	16.96	Bachelor's degree
27-3042	Technical writers	20	27	7	35	0.64	30.43	Bachelor's degree
27-3043	Writers and authors	201	259	58	29	0.95	10.47	Bachelor's degree
27-3091	Interpreters and translators	63	78	15	24	0.81	15.92	Long-term on-the-job training
27-3099	Media and communication workers, all other	59	73	14	24	0.80	15.26	Long-term on-the-job training
27-4011	Audio and video equipment technicians	22	33	11	50	0.86	11.78	Long-term on-the-job training
27-4012	Broadcast technicians	14	16	2	14	0.67	14.90	Associate's degree
27-4021	Photographers	382	481	99	26	0.95	12.86	Long-term on-the-job training
27-4031	Camera operators, television, video, and motion picture	14	22	8	57	0.95	18.72	Moderate-term on-the-job training
27-4099	Media and communication equipment workers, all other	14	15	1	7	1.05	21.65	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-1011	Chiropractors	39	54	15	38	1.20	25.94	First professional degree
29-1021	Dentists, general	52	59	7	13	1.01	121.42	First professional degree
29-1031	Dietitians and nutritionists	20	22	2	10	0.51	20.67	Bachelor's degree
29-1041	Optometrists	19	22	3	16	0.71	35.17	First professional degree
29-1051	Pharmacists	112	165	53	47	0.82	47.57	First professional degree
29-1069	Physicians and surgeons	349	379	30	9	0.77	74.30	First professional degree
29-1071	Physician assistants	20	24	4	20	0.54	40.00	Bachelor's degree
29-1081	Podiatrists	13	15	2	15	0.61	26.99	First professional degree
29-1111	Registered nurses	877	1,060	183	21	0.66	26.80	Associate's degree
29-1122	Occupational therapists	44	61	17	39	0.77	30.73	Master's degree
29-1123	Physical therapists	126	189	63	50	1.19	33.46	Master's degree
29-1126	Respiratory therapists	24	29	5	21	0.45	21.22	Associate's degree
29-1127	Speech-language pathologists	50	60	10	20	0.70	28.14	Master's degree
29-1129	Therapists, all other	15	18	3	20	0.49	17.84	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-1131	Veterinarians	31	53	22	71	0.81	29.88	First professional degree
29-1199	Health diagnosing and treating practitioners, all other	21	23	2	10	0.43	23.15	Bachelor's degree
29-2011	Medical and clinical laboratory technologists	48	57	9	19	0.55	26.01	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	46	55	9	20	0.58	16.19	Associate's degree
29-2021	Dental hygienists	108	144	36	33	1.19	34.36	Associate's degree
29-2031	Cardiovascular technologists and technicians	13	16	3	23	0.52	24.68	Associate's degree
29-2032	Diagnostic medical sonographers	13	16	3	23	0.51	36.64	Associate's degree
29-2033	Nuclear medicine technologists	22	25	3	14	1.77	41.26	Associate's degree
29-2034	Radiologic technologists and technicians	100	114	14	14	0.93	26.11	Associate's degree
29-2041	Emergency medical technicians and paramedics	147	168	21	14	1.38	15.72	Postsecondary vocational award
29-2051	Dietetic technicians	24	33	9	38	1.77	7.68	Moderate-term on-the-job training
29-2052	Pharmacy technicians	160	192	32	20	0.99	11.70	Moderate-term on-the-job training
29-2054	Respiratory therapy technicians	18	17	-1	-6	1.76	19.70	Associate's degree
29-2055	Surgical technologists	41	49	8	20	0.89	16.53	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-2056	Veterinary technologists and technicians	21	39	18	86	0.54	15.74	Associate's degree
29-2061	Licensed practical and licensed vocational nurses	345	443	98	28	0.88	17.34	Postsecondary vocational award
29-2071	Medical records and health information technicians	88	103	15	17	0.99	12.38	Associate's degree
29-2081	Opticians, dispensing	25	33	8	32	0.61	14.04	Long-term on-the-job training
29-2091	Orthotists and prosthetists	13	13	0	0	1.58	30.93	Bachelor's degree
29-2099	Healthcare technologists and technicians, all other	20	22	2	10	0.45	17.85	Postsecondary vocational award
29-9011	Occupational health and safety specialists	46	49	3	7	1.80	26.48	Bachelor's degree
31-1011	Home health aides	272	388	116	43	0.55	9.80	Short-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	740	1,030	290	39	0.94	9.45	Postsecondary vocational award
31-1013	Psychiatric aides	26	34	8	31	0.36	9.40	Short-term on-the-job training
31-2011	Occupational therapist assistants	18	29	11	61	1.25	19.87	Associate's degree
31-2021	Physical therapist assistants	41	69	28	68	1.29	26.06	Associate's degree
31-2022	Physical therapist aides	24	41	17	71	1.02	11.50	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-9011	Massage therapists	46	48	2	4	0.81	8.90	Postsecondary vocational award
31-9091	Dental assistants	95	125	30	32	0.62	17.15	Moderate-term on-the-job training
31-9092	Medical assistants	274	370	96	35	1.15	12.11	Moderate-term on-the-job training
31-9093	Medical equipment preparers	19	23	4	21	0.63	11.89	Short-term on-the-job training
31-9094	Medical transcriptionists	28	32	4	14	0.53	13.72	Postsecondary vocational award
31-9095	Pharmacy aides	26	32	6	23	0.79	9.62	Short-term on-the-job training
31-9096	Veterinary assistants and laboratory animal caretakers	34	51	17	50	0.75	10.18	Short-term on-the-job training
31-9099	Healthcare support workers, all other	29	34	5	17	0.27	14.66	Short-term on-the-job training
33-1011	First-line supervisors/managers of correctional officers	21	25	4	19	0.82	26.92	Work experience in a related field
33-1012	First-line supervisors/managers of police and detectives	57	63	6	11	1.15	22.38	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	29	33	4	14	0.91	30.98	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-1099	First-line supervisors/managers, protective service workers, all other	19	19	0	0	0.68	17.96	Work experience in a related field
33-2011	Fire fighters	258	300	42	16	1.69	17.83	Long-term on-the-job training
33-3011	Bailiffs	12	14	2	17	1.08	14.07	Moderate-term on-the-job training
33-3012	Correctional officers and jailers	256	311	55	21	1.16	16.66	Moderate-term on-the-job training
33-3021	Detectives and criminal investigators	29	32	3	10	0.52	17.83	Work experience in a related field
33-3051	Police and sheriff's patrol officers	219	258	39	18	0.69	18.77	Long-term on-the-job training
33-9011	Animal control workers	10	12	2	20	1.16	20.63	Moderate-term on-the-job training
33-9021	Private detectives and investigators	57	57	0	0	1.49	19.57	Work experience in a related field
33-9032	Security guards	451	411	-40	-9	0.80	11.60	Short-term on-the-job training
33-9091	Crossing guards	16	17	1	6	0.43	9.30	Short-term on-the-job training
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	33	33	0	0	0.53	7.32	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-9099	Protective service workers, all other	37	40	3	8	0.82	16.80	Short-term on-the-job training
35-1011	Chefs and head cooks	125	130	5	4	1.85	21.34	Work experience in a related field
35-1012	First-line supervisors/managers of food preparation and serving workers	585	623	38	6	1.25	13.41	Work experience in a related field
35-2011	Cooks, fast food	583	588	5	1	1.86	7.40	Short-term on-the-job training
35-2012	Cooks, institution and cafeteria	257	333	76	30	1.19	8.12	Moderate-term on-the-job training
35-2014	Cooks, restaurant	848	867	19	2	1.78	11.80	Long-term on-the-job training
35-2015	Cooks, short order	565	563	-2	0	5.62	8.82	Short-term on-the-job training
35-2019	Cooks, all other	10	13	3	30	--	--	Moderate-term on-the-job training
35-2021	Food preparation workers	730	845	115	16	1.52	9.14	Short-term on-the-job training
35-3011	Bartenders	391	410	19	5	1.39	7.72	Short-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	1,044	1,170	126	12	0.75	7.54	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	775	867	92	12	2.66	7.81	Short-term on-the-job training
35-3031	Waiters and waitresses	2,598	2,659	61	2	2.04	7.35	Short-term on-the-job training
35-3041	Food servers, nonrestaurant	181	207	26	14	1.82	9.35	Short-term on-the-job training
35-9011	Dining room and cafeteria attendants and bartender helpers	624	655	31	5	2.86	8.53	Short-term on-the-job training
35-9021	Dishwashers	506	526	20	4	1.82	8.05	Short-term on-the-job training
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	472	479	7	1	2.51	8.75	Short-term on-the-job training
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	313	341	28	9	1.55	11.77	Work experience in a related field
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	286	323	37	13	3.56	18.34	Work experience in a related field
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	1,242	1,396	154	12	1.02	9.15	Short-term on-the-job training
37-2012	Maids and housekeeping cleaners	2,347	2,300	-47	-2	2.06	8.66	Short-term on-the-job training
37-2019	Building cleaning workers, all other	258	322	64	25	0.95	8.34	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
37-2021	Pest control workers	171	208	37	22	3.35	11.87	Moderate-term on-the-job training
37-3011	Landscaping and groundskeeping workers	2,444	2,841	397	16	4.35	11.45	Short-term on-the-job training
37-3012	Pesticide handlers, sprayers, and applicators, vegetation	52	64	12	23	0.94	7.73	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	47	57	10	21	0.81	8.09	Short-term on-the-job training
37-3019	Grounds maintenance workers, all other	42	52	10	24	0.81	6.88	Short-term on-the-job training
39-1011	Gaming supervisors	19	23	4	21	0.74	7.02	Work experience in a related field
39-1012	Slot key persons	16	20	4	25	0.87	6.72	Postsecondary vocational award
39-1021	First-line supervisors/managers of personal service workers	170	182	12	7	1.29	12.26	Work experience in a related field
39-2011	Animal trainers	25	25	0	0	0.49	6.78	Moderate-term on-the-job training
39-2021	Nonfarm animal caretakers	228	237	9	4	1.12	8.30	Short-term on-the-job training
39-3012	Gaming and sports book writers and runners	25	27	2	8	2.08	9.31	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-3021	Motion picture projectionists	32	32	0	0	4.60	10.52	Short-term on-the-job training
39-3031	Ushers, lobby attendants, and ticket takers	33	41	8	24	0.59	6.56	Short-term on-the-job training
39-3091	Amusement and recreation attendants	448	434	-14	-3	3.39	8.55	Short-term on-the-job training
39-3099	Entertainment attendants and related workers, all other	38	43	5	13	1.43	10.44	Moderate-term on-the-job training
39-4021	Funeral attendants	18	24	6	33	1.00	13.68	Short-term on-the-job training
39-5011	Barbers	17	14	-3	-18	0.58	7.02	Postsecondary vocational award
39-5012	Hairdressers, hairstylists, and cosmetologists	314	301	-13	-4	1.04	13.16	Postsecondary vocational award
39-5092	Manicurists and pedicurists	48	51	3	6	1.37	11.54	Postsecondary vocational award
39-5094	Skin care specialists	11	12	1	9	0.53	10.88	Postsecondary vocational award
39-6011	Baggage porters and bellhops	23	19	-4	-17	0.88	9.32	Short-term on-the-job training
39-6012	Concierges	15	14	-1	-7	1.27	12.10	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-6021	Tour guides and escorts	16	18	2	13	0.69	7.91	Moderate-term on-the-job training
39-9011	Child care workers	621	699	78	13	0.63	7.91	Short-term on-the-job training
39-9021	Personal and home care aides	264	337	73	28	0.52	9.89	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	162	166	4	2	1.11	11.89	Postsecondary vocational award
39-9032	Recreation workers	170	193	23	14	0.91	9.06	Short-term on-the-job training
39-9041	Residential advisors	11	14	3	27	0.37	11.84	Moderate-term on-the-job training
39-9099	Personal care and service workers, all other	54	42	-12	-22	0.77	8.84	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	1,371	1,574	203	15	1.12	15.23	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	360	458	98	27	0.72	20.08	Work experience in a related field
41-2011	Cashiers, except gaming	2,435	2,566	131	5	1.27	8.53	Short-term on-the-job training
41-2012	Gaming change persons and booth cashiers	16	21	5	31	0.48	16.48	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-2021	Counter and rental clerks	374	413	39	10	1.48	10.21	Short-term on-the-job training
41-2022	Parts salespersons	82	86	4	5	0.66	13.61	Moderate-term on-the-job training
41-2031	Retail salespersons	3,398	3,900	502	15	1.27	10.09	Short-term on-the-job training
41-3011	Advertising sales agents	153	226	73	48	1.27	21.81	Moderate-term on-the-job training
41-3021	Insurance sales agents	291	360	69	24	0.73	16.28	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	342	455	113	33	0.92	14.42	Bachelor's degree
41-3041	Travel agents	56	53	-3	-5	0.91	8.01	Postsecondary vocational award
41-3099	Sales representatives, services, all other	196	244	48	24	0.48	13.78	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	140	186	46	33	0.49	30.33	Moderate-term on-the-job training
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	401	527	126	31	0.46	21.42	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	36	48	12	33	0.53	12.86	Moderate-term on-the-job training
41-9012	Models	16	21	5	31	0.64	7.14	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-9021	Real estate brokers	1,514	2,306	792	52	1.64	11.88	Work experience in a related field
41-9022	Real estate sales agents	1,996	2,872	876	44	2.01	13.43	Postsecondary vocational award
41-9041	Telemarketers	168	170	2	1	0.86	11.14	Short-term on-the-job training
41-9091	Door-to-door sales workers, news and street vendors, and related workers	358	496	138	39	0.59	6.60	Short-term on-the-job training
41-9099	Sales and related workers, all other	133	162	29	22	0.71	8.55	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	713	777	64	9	0.87	18.61	Work experience in a related field
43-2011	Switchboard operators, including answering service	85	78	-7	-8	0.96	10.84	Short-term on-the-job training
43-2021	Telephone operators	15	10	-5	-33	--	--	Short-term on-the-job training
43-3011	Bill and account collectors	111	131	20	18	0.50	12.09	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	202	220	18	9	0.70	13.85	Moderate-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	948	1,107	159	17	0.79	13.15	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-3051	Payroll and timekeeping clerks	139	143	4	3	1.25	12.12	Moderate-term on-the-job training
43-3061	Procurement clerks	24	22	-2	-8	0.57	14.18	Short-term on-the-job training
43-3071	Tellers	351	406	55	16	1.06	12.63	Short-term on-the-job training
43-4011	Brokerage clerks	36	38	2	6	0.91	15.29	Moderate-term on-the-job training
43-4031	Court, municipal, and license clerks	64	75	11	17	1.07	14.13	Short-term on-the-job training
43-4041	Credit authorizers, checkers, and clerks	26	22	-4	-15	0.68	16.13	Short-term on-the-job training
43-4051	Customer service representatives	790	998	208	26	0.65	14.94	Moderate-term on-the-job training
43-4071	File clerks	62	46	-16	-26	0.50	10.90	Short-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	381	300	-81	-21	3.14	10.44	Short-term on-the-job training
43-4111	Interviewers, except eligibility and loan	89	109	20	22	0.66	12.75	Short-term on-the-job training
43-4121	Library assistants, clerical	16	19	3	19	0.26	10.86	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4131	Loan interviewers and clerks	51	49	-2	-4	0.38	18.69	Short-term on-the-job training
43-4141	New accounts clerks	24	21	-3	-13	0.49	16.38	Work experience in a related field
43-4151	Order clerks	61	50	-11	-18	0.44	13.43	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	61	67	6	10	0.68	17.17	Short-term on-the-job training
43-4171	Receptionists and information clerks	670	809	139	21	1.08	11.57	Short-term on-the-job training
43-4181	Reservation and transportation ticket agents and travel clerks	59	37	-22	-37	0.64	10.09	Short-term on-the-job training
43-4199	Information and record clerks, all other	21	17	-4	-19	0.17	13.57	Short-term on-the-job training
43-5021	Couriers and messengers	84	88	4	5	0.50	7.91	Short-term on-the-job training
43-5031	Police, fire, and ambulance dispatchers	64	77	13	20	1.21	14.92	Moderate-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	47	47	0	0	0.45	16.37	Moderate-term on-the-job training
43-5041	Meter readers, utilities	25	24	-1	-4	0.95	15.19	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-5051	Postal service clerks	43	42	-1	-2	1.03	23.25	Short-term on-the-job training
43-5052	Postal service mail carriers	134	129	-5	-4	0.73	21.86	Short-term on-the-job training
43-5053	Postal service mail sorters, processors, and processing machine operators	17	15	-2	-12	0.16	16.61	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	44	51	7	16	0.29	18.94	Short-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	149	169	20	13	0.37	12.68	Short-term on-the-job training
43-5081	Stock clerks and order fillers	771	784	13	2	0.79	9.84	Short-term on-the-job training
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	22	21	-1	-5	0.52	11.28	Short-term on-the-job training
43-6011	Executive secretaries and administrative assistants	581	693	112	19	0.63	16.77	Moderate-term on-the-job training
43-6012	Legal secretaries	151	207	56	37	0.79	11.55	Postsecondary vocational award
43-6013	Medical secretaries	191	235	44	23	0.69	12.55	Postsecondary vocational award
43-6014	Secretaries, except legal, medical, and executive	1,105	1,167	62	6	0.98	13.50	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-9011	Computer operators	14	13	-1	-7	0.21	15.83	Moderate-term on-the-job training
43-9021	Data entry keyers	75	84	9	12	0.41	10.09	Moderate-term on-the-job training
43-9022	Word processors and typists	47	52	5	11	0.48	7.86	Moderate-term on-the-job training
43-9031	Desktop publishers	14	18	4	29	0.53	11.85	Postsecondary vocational award
43-9041	Insurance claims and policy processing clerks	44	45	1	2	0.33	21.76	Moderate-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	35	34	-1	-3	0.42	13.40	Short-term on-the-job training
43-9061	Office clerks, general	1,679	1,972	293	17	0.99	11.24	Short-term on-the-job training
43-9199	Office and administrative support workers, all other	52	55	3	6	0.33	13.61	Short-term on-the-job training
45-2041	Graders and sorters, agricultural products	18	20	2	11	0.60	13.89	Work experience in a related field
45-2092	Farmworkers and laborers, crop, nursery, and greenhouse	46	54	8	17	0.12	17.49	Short-term on-the-job training
45-2093	Farmworkers, farm and ranch animals	10	13	3	30	0.19	20.43	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
45-3011	Fishers and related fishing workers	122	130	8	7	2.29	6.88	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	777	767	-10	-1	1.33	23.67	Work experience in a related field
47-2021	Brickmasons and blockmasons	115	122	7	6	1.40	20.40	Long-term on-the-job training
47-2022	Stonemasons	21	23	2	10	0.70	20.15	Long-term on-the-job training
47-2031	Carpenters	1,241	1,242	1	0	1.34	17.52	Long-term on-the-job training
47-2041	Carpet installers	22	24	2	9	0.66	17.73	Moderate-term on-the-job training
47-2042	Floor layers, except carpet, wood, and hard tiles	21	21	0	0	0.89	17.79	Moderate-term on-the-job training
47-2043	Floor sanders and finishers	20	21	1	5	0.98	18.09	Moderate-term on-the-job training
47-2044	Tile and marble setters	59	66	7	12	1.33	15.90	Long-term on-the-job training
47-2051	Cement masons and concrete finishers	129	113	-16	-12	1.06	15.96	Moderate-term on-the-job training
47-2053	Terrazzo workers and finishers	15	14	-1	-7	1.73	18.11	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2061	Construction laborers	913	872	-41	-4	1.16	13.42	Moderate-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	19	19	0	0	0.55	16.24	Moderate-term on-the-job training
47-2072	Pile-driver operators	15	16	1	7	0.84	17.61	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	205	190	-15	-7	0.87	14.33	Moderate-term on-the-job training
47-2081	Drywall and ceiling tile installers	76	97	21	28	0.81	18.30	Moderate-term on-the-job training
47-2082	Tapers	23	26	3	13	0.58	19.59	Moderate-term on-the-job training
47-2111	Electricians	419	334	-85	-20	1.04	15.24	Long-term on-the-job training
47-2121	Glaziers	45	54	9	20	1.44	14.27	Long-term on-the-job training
47-2131	Insulation workers, floor, ceiling, and wall	85	112	27	32	4.89	15.90	Moderate-term on-the-job training
47-2132	Insulation workers, mechanical	36	45	9	25	2.12	16.64	Moderate-term on-the-job training
47-2141	Painters, construction and maintenance	523	540	17	3	1.72	15.62	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2151	Pipelayers	92	79	-13	-14	1.50	16.08	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	285	288	3	1	1.07	17.70	Long-term on-the-job training
47-2161	Plasterers and stucco masons	26	32	6	23	0.78	20.40	Long-term on-the-job training
47-2181	Roofers	91	107	16	18	0.90	15.68	Moderate-term on-the-job training
47-2211	Sheet metal workers	58	58	0	0	0.60	14.95	Long-term on-the-job training
47-2221	Structural iron and steel workers	14	13	-1	-7	0.36	18.41	Long-term on-the-job training
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble setters	65	69	4	6	2.01	12.81	Short-term on-the-job training
47-3012	Helpers, carpenters	279	265	-14	-5	5.32	13.16	Short-term on-the-job training
47-3013	Helpers, electricians	101	69	-32	-32	1.80	11.31	Short-term on-the-job training
47-3014	Helpers, painters, paperhangers, plasterers, and stucco masons	33	33	0	0	2.41	13.05	Short-term on-the-job training
47-3015	Helpers, pipelayers, plumbers, pipefitters, and steamfitters	75	73	-2	-3	1.63	10.91	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-3016	Helpers, roofers	19	23	4	21	1.51	13.89	Short-term on-the-job training
47-3019	Helpers, construction trades, all other	17	17	0	0	0.87	10.11	Short-term on-the-job training
47-4011	Construction and building inspectors	68	90	22	32	1.00	20.42	Work experience in a related field
47-4021	Elevator installers and repairers	13	18	5	38	1.00	15.36	Long-term on-the-job training
47-4031	Fence erectors	15	15	0	0	0.74	14.89	Moderate-term on-the-job training
47-4041	Hazardous materials removal workers	35	42	7	20	1.64	22.26	Moderate-term on-the-job training
47-4051	Highway maintenance workers	12	15	3	25	0.17	14.69	Moderate-term on-the-job training
47-4071	Septic tank servicers and sewer pipe cleaners	33	39	6	18	2.21	12.75	Moderate-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	260	285	25	10	1.06	23.08	Work experience in a related field
49-2011	Computer, automated teller, and office machine repairers	34	43	9	26	0.36	16.50	Postsecondary vocational award
49-2022	Telecommunications equipment installers and repairers, except line installers	58	61	3	5	0.51	20.73	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-2097	Electronic home entertainment equipment installers and repairers	22	24	2	9	0.66	12.79	Postsecondary vocational award
49-2098	Security and fire alarm systems installers	24	28	4	17	0.62	18.38	Postsecondary vocational award
49-3011	Aircraft mechanics and service technicians	34	36	2	6	0.51	26.65	Postsecondary vocational award
49-3021	Automotive body and related repairers	93	121	28	30	0.92	14.98	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	363	434	71	20	0.80	16.74	Postsecondary vocational award
49-3031	Bus and truck mechanics and diesel engine specialists	68	81	13	19	0.46	13.36	Postsecondary vocational award
49-3042	Mobile heavy equipment mechanics, except engines	83	85	2	2	1.19	17.18	Postsecondary vocational award
49-3051	Motorboat mechanics	62	72	10	16	3.52	14.11	Long-term on-the-job training
49-3052	Motorcycle mechanics	16	19	3	19	1.00	12.04	Long-term on-the-job training
49-3053	Outdoor power equipment and other small engine mechanics	28	30	2	7	1.33	12.50	Moderate-term on-the-job training
49-3093	Tire repairers and changers	20	22	2	10	0.37	9.62	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9012	Control and valve installers and repairers, except mechanical door	21	21	0	0	0.88	13.17	Moderate-term on-the-job training
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	290	300	10	3	1.59	20.20	Long-term on-the-job training
49-9031	Home appliance repairers	48	56	8	17	1.11	9.57	Long-term on-the-job training
49-9041	Industrial machinery mechanics	16	20	4	25	0.11	16.66	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	1,042	1,155	113	11	1.39	13.30	Moderate-term on-the-job training
49-9043	Maintenance workers, machinery	21	24	3	14	0.50	16.02	Short-term on-the-job training
49-9051	Electrical power-line installers and repairers	43	50	7	16	0.74	21.56	Long-term on-the-job training
49-9052	Telecommunications line installers and repairers	113	106	-7	-6	1.17	23.70	Long-term on-the-job training
49-9062	Medical equipment repairers	20	26	6	30	0.85	21.56	Associate's degree
49-9091	Coin, vending, and amusement machine servicers and repairers	28	29	1	4	0.78	14.23	Moderate-term on-the-job training
49-9092	Commercial divers	13	16	3	23	0.87	8.60	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9093	Fabric menders, except garment	13	16	3	23	0.92	9.52	Moderate-term on-the-job training
49-9094	Locksmiths and safe repairers	19	28	9	47	0.82	10.36	Moderate-term on-the-job training
49-9097	Signal and track switch repairers	13	16	3	23	0.77	9.01	Moderate-term on-the-job training
49-9098	Helpers--Installation, maintenance, and repair workers	114	128	14	12	1.38	9.64	Short-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	49	54	5	10	0.56	12.35	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	94	101	7	7	0.25	21.46	Work experience in a related field
51-2091	Fiberglass laminators and fabricators	10	11	1	10	--	--	Moderate-term on-the-job training
51-2092	Team assemblers	158	173	15	9	0.25	12.29	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	19	21	2	11	0.11	14.86	Moderate-term on-the-job training
51-3011	Bakers	44	50	6	14	0.54	13.68	Long-term on-the-job training
51-3021	Butchers and meat cutters	91	94	3	3	1.29	13.54	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-3022	Meat, poultry, and fish cutters and trimmers	17	19	2	12	0.22	9.77	Short-term on-the-job training
51-3092	Food batchmakers	23	31	8	35	0.43	9.72	Short-term on-the-job training
51-4011	Computer-controlled machine tool operators, metal and plastic	14	13	-1	-7	0.19	21.28	Moderate-term on-the-job training
51-4041	Machinists	47	53	6	13	0.22	15.90	Long-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	50	51	1	2	0.23	16.10	Long-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	24	26	2	8	0.61	14.42	Moderate-term on-the-job training
51-5011	Bindery workers	18	17	-1	-6	0.51	9.28	Short-term on-the-job training
51-5021	Job printers	15	17	2	13	0.57	16.82	Long-term on-the-job training
51-5022	Prepress technicians and workers	11	10	-1	-9	0.29	14.55	Postsecondary vocational award
51-5023	Printing machine operators	45	52	7	16	0.40	13.38	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	250	279	29	12	1.73	9.66	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-6021	Pressers, textile, garment, and related materials	69	74	5	7	1.79	10.38	Short-term on-the-job training
51-6031	Sewing machine operators	68	60	-8	-12	0.57	13.97	Moderate-term on-the-job training
51-6041	Shoe and leather workers and repairers	10	13	3	30	--	--	Long-term on-the-job training
51-6051	Sewers, hand	38	50	12	32	0.95	6.87	Short-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	39	52	13	33	0.76	6.99	Long-term on-the-job training
51-6093	Upholsterers	35	46	11	31	0.65	7.27	Long-term on-the-job training
51-7011	Cabinetmakers and bench carpenters	22	18	-4	-18	0.28	16.74	Long-term on-the-job training
51-7021	Furniture finishers	17	20	3	18	0.69	9.45	Long-term on-the-job training
51-7042	Woodworking machine setters, operators, and tenders, except sawing	18	20	2	11	0.34	11.93	Moderate-term on-the-job training
51-8013	Power plant operators	15	18	3	20	0.76	26.16	Long-term on-the-job training
51-8031	Water and liquid waste treatment plant and system operators	56	66	10	18	0.95	16.18	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-8092	Gas plant operators	22	24	2	9	2.66	19.50	Long-term on-the-job training
51-9011	Chemical equipment operators and tenders	30	21	-9	-30	1.04	18.77	Moderate-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	62	66	4	6	0.24	14.97	Moderate-term on-the-job training
51-9071	Jewelers and precious stone and metal workers	11	15	4	36	0.39	14.73	Postsecondary vocational award
51-9111	Packaging and filling machine operators and tenders	49	53	4	8	0.25	12.09	Short-term on-the-job training
51-9122	Painters, transportation equipment	14	18	4	29	0.45	18.79	Long-term on-the-job training
51-9132	Photographic processing machine operators	20	14	-6	-30	0.66	8.70	Short-term on-the-job training
51-9198	Helpers--Production workers	70	76	6	9	0.25	7.41	Short-term on-the-job training
51-9199	Production workers, all other	10	11	1	10	0.07	12.06	Moderate-term on-the-job training
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	49	62	13	27	0.48	20.26	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	79	93	14	18	0.65	18.69	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-2012	Commercial pilots	14	18	4	29	0.64	26.24	Postsecondary vocational award
53-3011	Ambulance drivers and attendants, except emergency medical technicians	29	28	-1	-3	2.47	11.44	Moderate-term on-the-job training
53-3021	Bus drivers, transit and intercity	85	82	-3	-4	0.75	6.98	Moderate-term on-the-job training
53-3022	Bus drivers, school	347	307	-40	-12	1.35	8.18	Short-term on-the-job training
53-3031	Driver/sales workers	254	268	14	6	0.77	16.41	Short-term on-the-job training
53-3032	Truck drivers, heavy and tractor-trailer	456	519	63	14	0.44	13.65	Moderate-term on-the-job training
53-3033	Truck drivers, light or delivery services	553	639	86	16	0.88	12.01	Short-term on-the-job training
53-3041	Taxi drivers and chauffeurs	206	218	12	6	1.15	8.10	Short-term on-the-job training
53-3099	Motor vehicle operators, all other	10	12	2	20	--	--	Short-term on-the-job training
53-5021	Captains, mates, and pilots of water vessels	41	38	-3	-7	2.00	19.05	Work experience in a related field
53-6021	Parking lot attendants	35	41	6	17	0.49	9.12	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-6031	Service station attendants	13	17	4	31	0.27	11.38	Short-term on-the-job training
53-7011	Conveyor operators and tenders	12	13	1	8	0.52	11.22	Short-term on-the-job training
53-7021	Crane and tower operators	10	10	0	0	--	--	Long-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	26	24	-2	-8	0.64	15.81	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	86	98	12	14	0.25	11.52	Short-term on-the-job training
53-7061	Cleaners of vehicles and equipment	202	250	48	24	1.07	8.72	Short-term on-the-job training
53-7062	Laborers and freight, stock, and material movers, hand	691	749	58	8	0.53	9.37	Short-term on-the-job training
53-7064	Packers and packagers, hand	162	159	-3	-2	0.38	7.13	Short-term on-the-job training
53-7081	Refuse and recyclable material collectors	99	124	25	25	1.25	10.16	Short-term on-the-job training
53-7199	Material moving workers, all other	11	11	0	0	0.47	13.58	Moderate-term on-the-job training
		94,366	106,148	11,782	12		14.88	

at least
1.25 greater than \$14.88

Source: EMSI

Appendix B: Businesses by 3-Digit NAICS Codes

Beaufort County								
Industry	NAICS Code	Change						
		2002	2007	Average Size	#	%	SC % change	US % change
Crop Production	111	7	7	50	0	0.0	-17.6	-9.3
Utilities	221	8	6	25	-2	-25.0	-8.8	-0.9
Construction of Buildings	236	303	310	5	7	2.3	-0.4	15.4
Heavy and Civil Engineering Construction	237	73	61	8	-12	-16.4	-2.0	-2.3
Specialty Trade Contractors	238	542	532	7	-10	-1.8	-6.4	12.9
Food Manufacturing	311	10	10	6	0	0.0	-13.3	-3.3
Textile Mills	313	5	3		-2	-40.0	-34.0	-26.7
Textile Product Mills	314	6	6	6	0	0.0	-10.6	-3.3
Wood Product Manufacturing	321	7	3		-4	-57.1	-6.4	-5.7
Printing and Related Support Activities	323	18	16	8	-2	-11.1	-15.0	-12.3
Nonmetallic Mineral Product Manufacturing	327	4	7	19	3	75.0	4.0	3.0
Fabricated Metal Product Manufacturing	332	9	9	17	0	0.0	-6.1	-3.0
Furniture and Related Product Manufacturing	337	19	13	5	-6	-31.6	-8.8	-5.8
Miscellaneous Manufacturing	339	10	13	4	3	30.0	9.5	-0.9
Merchant Wholesalers, Durable Goods	423	74	88	5	14	18.9	0.6	-5.6
Merchant Wholesalers, Nondurable Goods	424	38	35	6	-3	-7.9	-5.0	-3.5
Wholesale Electronic Markets and Agents and Brokers	425	27	33	3	6	22.2	31.7	38.3
Motor Vehicle and Parts Dealers	441	68	59	20	-9	-13.2	-11.6	2.2
Furniture and Home Furnishings Stores	442	77	70	6	-7	-9.1	-11.3	3.8
Electronics and Appliance Stores	443	40	31	6	-9	-22.5	-16.7	-4.7
Building Material and Garden Equipment and Supplies Dealers	444	62	61	18	-1	-1.6	-8.8	0.9
Food and Beverage Stores	445	72	68	25	-4	-5.6	-18.2	-0.5
Health and Personal Care Stores	446	48	43	9	-5	-10.4	9.1	10.2
Gasoline Stations	447	50	56	8	6	12.0	-2.8	-1.9
Clothing and Clothing Accessories Stores	448	149	131	12	-18	-12.1	-5.3	4.6
Sporting Goods, Hobby, Book, and Music Stores	451	44	48	7	4	9.1	-11.1	-6.5
General Merchandise Stores	452	23	25	72	2	8.7	17.5	13.3
Miscellaneous Store Retailers	453	117	119	6	2	1.7	-23.9	-8.6
Nonstore Retailers	454	9	12	7	3	33.3	-17.9	11.9
Water Transportation	483	5	4	4	-1	-20.0	7.4	17.4
Truck Transportation	484	21	23	9	2	9.5	-5.1	5.4
Transit and Ground Passenger Transportation	485	14	11	24	-3	-21.4	-14.6	1.6

Beaufort County								
Industry	NAICS Code	2002	2007	Average Size	Change		SC % change	US % change
					#	%		
Scenic and Sightseeing Transportation	487	18	18	3	0	0.0	-16.5	-1.5
Support Activities for Transportation	488	14	16	7	2	14.3	-6.0	7.6
Couriers and Messengers	492	9	9	26	0	0.0	12.8	5.6
Publishing Industries (except Internet)	511	28	20	7	-8	-28.6	1.4	-0.2
Motion Picture and Sound Recording Industries	512	11	12	12	1	9.1	-9.6	-2.1
Broadcasting (except Internet)	515	9	5		-4	-44.4	-18.9	-2.0
Telecommunications	517	21	22	19	1	4.8	0.0	9.3
Credit Intermediation and Related Activities	522	102	125	9	23	22.5	12.2	23.8
Insurance Carriers and Related Activities	524	64	68	4	4	6.3	0.3	6.7
Real Estate	531	316	392	6	76	24.1	18.8	23.8
Rental and Leasing Services	532	49	48		-1	-2.0	-8.3	1.7
Professional, Scientific, and Technical Services	541	577	575	5	-2	-0.3	2.1	14.3
Management of Companies and Enterprises	551	6	11	41	5	83.3	74.2	29.1
Administrative and Support Services	561	327	351	12	24	7.3	2.2	13.0
Waste Management and Remediation Services	562	5	8	10	3	60.0	3.9	15.6
Educational Services	611	35	38	14	3	8.6	14.1	23.7
Ambulatory Health Care Services	621	242	272	8	30	12.4	7.4	13.3
Nursing and Residential Care Facilities	623	11	20	79	9	81.8	0.4	8.8
Amusement, Gambling, and Recreation Industries	713	75	66	28	-9	-12.0	-14.4	12.9
Accommodation	721	54	63	42	9	16.7	-3.4	3.5
Food Services and Drinking Places	722	351	386	23	35	10.0	-0.2	12.2
Repair and Maintenance	811	104	111	5	7	6.7	-18.3	-0.4
Personal and Laundry Services	812	120	116	10	-4	-3.3	-2.4	7.2
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	72	66	30	-6	-8.3	-2.0	3.3
Private Households	814	170	138	1	-32	-18.8	4.6	24.9

growth rate exceeds both SC and US growth rates

Source: Bureau of Labor Statistics

Appendix C: Beaufort County Employment by Industry Sector

		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Total		55,303	63,032	7,729	14.0			32,350	12%

<i>6 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Motor Vehicle and Parts Dealers	441	1,008	1,181	173	17	1.31	157	39,532	A
Building Material and Garden Equipment and Supplies Dealers	444	726	1,083	357	49	1.75	279	32,392	A
Real Estate	531	1,689	2,357	668	40	3.36	496	40,099	AA

<i>5 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Merchant Wholesalers, Durable Goods	423	307	408	101	33	0.28	88	58,039	AA
Management of Companies and Enterprises	551	47	450	403	857	0.52	399	34,507	AA
Ambulatory Health Care Services	621	1,681	2,051	370	22	0.79	69	47,053	AA

<i>4 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Specialty Trade Contractors	238	3,138	3,531	393	13	1.56	-68	34,994	A
Nonmetallic Mineral Product Manufacturing	327	74	131	57	77	0.55	60	38,745	A
Merchant Wholesalers, Nondurable Goods	424	156	208	52	33	0.22	49	47,420	AA
Health and Personal Care Stores	446	319	401	82	26	0.85	60	30,305	AA

4 star sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Clothing and Clothing Accessories Stores	448	1,178	1,507	329	28	2.12	168	17,158	BA
General Merchandise Stores	452	1,682	1,810	128	8	1.27	5	19,380	A
Support Activities for Transportation	488	45	104	59	131	0.36	53	52,923	A
Publishing Industries (except Internet)	511	123	142	19	15	0.33	27	62,274	A
Credit Intermediation and Related Activities	522	859	1,143	284	33	0.84	220	54,257	BA
Educational Services	611	435	535	100	23	0.49	26	27,766	A
Nursing and Residential Care Facilities	623	731	1,585	854	117	1.14	799	25,016	AA
Food Services and Drinking Places	722	7,060	8,852	1,792	25	1.97	876	15,731	BA
Repair and Maintenance	811	492	584	92	19	0.99	88	30,570	AA
Personal and Laundry Services	812	825	1,124	299	36	1.82	266	21,164	BA

3 star or fewer sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Construction of Buildings	236	1,457	1,552	95	7	1.85	-92	46,962	BA
Printing and Related Support Activities	323	96	129	33	34	0.44	45	34,381	D
Fabricated Metal Product Manufacturing	332	120	152	32	27	0.21	31	51,629	BA
Wholesale Electronic Markets and Agents and Brokers	425	57	84	27	47	0.21	9	57,399	BA
Furniture and Home Furnishings Stores	442	400	438	38	10	1.62	15	32,456	BA
Gasoline Stations	447	393	463	70	18	1.14	85	20,223	A
Miscellaneous Store Retailers	453	608	691	83	14	1.70	142	19,338	D
Nonstore Retailers	454	56	80	24	43	0.39	25	40,891	BA
Truck Transportation	484	165	200	35	21	0.29	22	24,168	A
Scenic and Sightseeing Transportation	487	51	57	6	12	4.22	4	26,313	AA
Motion Picture and Sound Recording Industries	512	94	147	53	56	0.82	55	15,693	A
Telecommunications	517	474	428	-46	-10	0.88	11	67,706	A
Professional, Scientific, and Technical Services	541	2,419	2,588	169	7	0.72	-186	60,911	AA
Administrative and Support Services	561	3,721	4,223	502	13	1.11	109	24,548	A

3 star or fewer sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Utilities	221	244	148	-96	-39	0.57	-78	57,293	A
Textile Product Mills	314	18	34	16	89	0.45	19	30,978	D
Miscellaneous Manufacturing	339	28	48	20	71	0.16	22	24,107	BA
Water Transportation	483	5	15	10	200	0.47	9	24,490	BA
Couriers and Messengers	492	214	237	23	11	0.86	18	52,131	BA
Insurance Carriers and Related Activities	524	276	267	-9	-3	0.26	-15	51,137	A
Waste Management and Remediation Services	562	128	77	-51	-40	0.46	-65	43,278	AA
Amusement, Gambling, and Recreation Industries	713	1,728	1,826	98	6	2.71	-56	21,699	BA
Accommodation	721	2,585	2,672	87	3	3.04	-34	26,323	BA
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	1,976	2,011	35	2	3.19	-18	30,436	A
Crop Production	111	457	352	-105	-23	1.43	-91	19,488	
Heavy and Civil Engineering Construction	237	1,249	508	-741	-59	1.09	-826	47,593	BA
Food Manufacturing	311	75	57	-18	-24	0.08	-15	16,380	A
Furniture and Related Product Manufacturing	337	81	68	-13	-16	0.27	-3	33,505	D
Electronics and Appliance Stores	443	197	199	2	1	0.78	-4	37,525	BA
Sporting Goods, Hobby, Book, and Music Stores	451	298	334	36	12	1.07	39	16,299	BA
Transit and Ground Passenger Transportation	485	325	263	-62	-19	1.38	-89	15,418	BA
Food and Beverage Stores	445	1,713	1,677	-36	-2	1.24	-22	22,973	BA
Private Households	814	188	161	-27	-14	0.62	-67	17,542	BA

Methodology and Sourcing

Projected Growth Grading Scale:

AA=above average

A=average

BA=below average

D=decline

Sectors are rated on 6 factors: 2002-2007 employment growth, 2002-2007 employment growth rate, location quotient, competitive effect, average annual wage, and projected growth.

Stars are based on: 2002-2007 employment growth of 75 or more, 2002-2007 employment growth rate greater than 14% (overall county job growth rate), location quotient of at least 1.25, competitive effect greater than 0, average annual wage greater than \$32,350 (2007 average for all jobs in the county), and average or above average projected growth.

Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county; based on 2007 data.

Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.

Source: Bureau of Labor Statistics; projections based on data from EMSI and SC Department of Commerce.



South Carolina
Department of Commerce
1201 Main Street, Suite 1600
Columbia, SC 29201

(800) 868-7232
(803) 737-0400
www.sccommerce.com